

Chapter 1: Windows Platform and Architecture

You will learn:

- Windows 2003 Server product line.
- Directory services.
- Security services.
- Terminal services.
- New features.
- Windows 2003 architecture.
- Multiprocessor capabilities.
- Clustering.
- Terminal services.

Chapter 2: Installing Windows Server 2003

You will learn:

- Installation requirements and decisions.
- Licensing modes.
- Typical versus custom settings.
- Activating Windows Server 2003.
- Upgrading to Windows Server 2003.
- Migrating to Active Directory.
- Group Policy.
- Active Directory preparation.
- Planning: forests, organization units, and site topology.
- Connectivity with Windows NT Server 4.0, Windows 2000, and Windows Server 2003.
- Windows NT Domain: Upgrading to Active Directory.
- Namespace and DNS infrastructure.
- Converting groups.
- Completing the upgrade of the domain.
- Windows 2003 Active Directory Service.
- Windows 2003 on cluster nodes: upgrading.
- Joining a computer to a domain or workgroup.
- Dynamic DNS and Active Directory.

Chapter 3: Installation Methods

You will learn:

- Methods of installation.
- Installing Windows Server 2003 on a computer with Non-bootable CD ROM.
- Startup Disk - preparation.
- Unattended installation.
- Distribution share for performing an unattended installation.
- Answer files.
- Setup Manager: creating an answer file.
- Distribution shares: creating.
- Performing an unattended installation.
- Image-based installations.
- Defining disk images.
- Image distribution.
- Distributing disk images across a network.
- Disk image creation.
- Sysprep: preparing master installations.
- Disk images of master installations - creating.
- Startup media for destination computers.

Chapter 4: Remote Installation Services - RIS

You will learn:

- RIS: purpose and function.
- RIS limitations.
- RIS server selection and load balancing.
- RIS components.
- RIS Setup: tools.
- Master installation and configuration.
- Master computer operating system: installation and configuration.
- Riprep Wizard - Running on the master computer.
- Replicating images to other RIS servers.
- Answer file and image folder permissions: configuration.
- Master distribution share installation.
- RIS server configuration.
- CIW configuration: creation.
- Network boot vs RIS boot floppy disk.

Chapter 5: Windows XP Clients

You will learn:

- Windows XP interface.
- Start Menu - Simple vs Classic view.
- Classic start menu -customize.
- System properties.
- Start Menu customization.
- Offline files.
- Profiles.
- Documents and Settings folder.
- Control Panel.

Chapter 6: Administrative Tools and MMC

You will learn:

- Windows XP and Server graphical administrative tools.
- Graphical administrative tools.
- Control Panel.
- Command line utilities.
- Windows 2000 Support Tools.
- Runas command.
- MMC: Microsoft Management Console.
- Computer Management Console.
- Working with services and applications.

Chapter 7: Active Directory

You will learn:

- Active Directory and DNS.
- Active Directory: logical and physical structures.
- Domain forests and domain trees.
- Organizational units.
- Sites and subnets.
- Native mode operations.
- Installing Active Directory clients.
- Data store.
- Global catalog.
- Replication and Active Directory.
- Domain controllers and replication.
- Domain controllers hosting a global catalog and replication.
- FSMO/Operations Master roles.
- Tools for managing Active Directory services.
- Active Directory Administration tools.
- Active Directory support tools.
- Active Directory Users and Computers tool.
- Connecting to a domain controller.
- Connecting to a domain.
- Searching for accounts and shared resources.
- Creating and managing computer accounts.
- Managing domain controllers, roles, and catalogs.
- Viewing and transferring domain-wide roles.
- Creating/managing organizational units.
- Naming objects and Active Directory.
- GUID: Globally Unique Identifiers.

Chapter 8: User Accounts and Groups

You will learn:

- Windows Server 2003 security model.
- User accounts.
- Security identifiers and user accounts.
- Groups, group types, and group scope.
- Domain local, global, and universal groups.
- Default user accounts and groups.
- Built-in user accounts.
- Predefined user accounts.
- Built-in groups.
- Predefined groups.
- Implicit groups and special identities.
- Account capabilities.
- Privileges.
- Logon rights.
- Built-in capabilities for groups in Active Directory.
- Default Group accounts and usage.
- Groups used by administrators.
- Groups used by users and computers.
- Implicit groups and identities.

Chapter 9: File Resources and Network Access

You will learn:

- Set and manage shares.
- Computer Management console.
- Publishing shares.
- Set and manage file and folder permissions.
- Implement NTFS security features.
- Access control for folder and file auditing.
- Ownership.
- Transaction logging.
- Disk quotas.
- Distributed link tracking of files.
- File system encryption.
- Disk defragmentation.
- Dfs: Distributed file system.

Chapter 10: Disk Management and Configuration

You will learn:

- Partitioning and disk organization.
- File system capabilities.
- Data compression.
- Disk management.
- Marking an active partition.
- Assigning drive letters.
- Basic and dynamic disks.
- Changing drive types.
- Managing volumes.
- Volume sets.
- Stripe sets.
- RAID.

Chapter 11: Security Model

You will learn:

- User authentication.
- Object-based access control.
- Active Directory and security.
- Domains and security.
- Transitive trust relationships.
- Default security settings.
- User rights.
- Privileges.
- Logon rights.
- Security Configuration and Analysis.
- Active Directory and trusts.
- Computer accounts.
- Security groups.
- Distribution groups.
- Categories of audit events.
- Logon auditing.
- Difficult to Interpret Event Ids.

Chapter 12: Group Policies

You will learn:

- User and computer policies.
- Application of multiple policies.
- Local and nonlocal group policy objects.
- Group policy snap-in.
- Scripts.
- Managing local group policies.
- Administrative templates.
- Site, domain, and unit policies.
- Centrally managing special folders.
- Software installation.
- Windows Installer.
- Add/Remove Programs utility.

Chapter 13: System Disaster and Recovery

You will learn:

- Disaster recovery and preparation.
- Troubleshooting steps.
- Startup phases and process.
- Boot.ini options.
- Recovery Console.
- Windows XP Distribution CD: recovery.
- Restore Point: creation.
- Customize the boot.ini.
- Create boot disks.
- Start a system in Safe Mode.
- Create an ERD - Emergency Repair Disk.
- Emergency Repair Disk - system recovery.
- Recovery console commands.
- Restore Active Directory.
- Troubleshoot using the Registry.
- Domain controller - restoration.
- Windows Server 2003 Server system state configurations.
- Restoring System Data.
- Authoritative restore.
- System summary.
- Troubleshooting using the Registry.
- Finding service and device dependencies.

Chapter 14: Replication

You will learn:

- Sites and replication.
- Replication within a site.
- Configuring site link replication availability.
- Replication options.
- Replication - configuration.
- Site Link - creation/deletion.
- Site Link Bridge - creation/deletion.
- Configuring site link replication availability.
- Forcing replication over a connection.

Chapter 15: Monitoring Resources and Performance

You will learn:

- System Monitor.
- Performance objects and counters.
- System shortcut keys and buttons.
- Network Monitor.
- Network Monitor interface.
- Capture data with Network Monitor.

Chapter 16: Terminal Services and Remote Desktop

You will learn:

- Appreciate the benefits of Terminal Services.
- Install/configure Terminal Services.
- Use Terminal Services Manager.
- Manage Console and Listener sessions.
- Connect to a Terminal Server.
- Disconnect and end sessions.
- Remote Desktop - purpose and function.
- Client software.
- Remote Desktop connection.
- Redirection.
- Remote Desktop Web Connection.
- Remote Desktop - deployment.
- Enabling Remote Desktop in Windows XP Professional.
- Troubleshooting.
- Security and encryption in Remote Desktop.